

COLLECTION DEVELOPMENT POLICY STATEMENT

CLASSIFICATION: TA-TH (ENGINEERING, GENERAL, CIVIL ENGINEERING)

JULY 1999

General Purpose: To fully support the academic majors of Civil Engineering and Engineering Mechanics, and provide some support to Electrical Engineering. To provide some support to Behavioral Sciences course, faculty research, and Base engineers.

Collection Level Intensity: General support and some introductory research.

Chronological Areas: Primarily 20th and 21st centuries.

Types of Material Collected: Dictionaries, encyclopedias, handbooks, manuals, biographies, monographs, standards, technical reports, government publications, periodicals, proceedings of conferences and symposia, and indexes and abstracts. Electronic sources include databases, CD-ROMs, and evaluated Internet web sites.

Types of material excluded: Audiovisual materials.

Other Factors: Includes all engineering disciplines.

Subject and Collection Levels: Major areas are:

TA	1-165	Engineering (general), civil engineering
	166-167	Human engineering
	168	Systems engineering
	177.4-185	Engineering economy
	349-360	Mechanics of engineering, applied mechanics
	401-492	Materials of engineering and construction, including strengths of materials, testing, and properties of materials
	501-625	Surveying
	630-695	Structural engineering (general)
	705-710	Engineering geology, rock mechanics, soil mechanics
	715-787	Earthwork, foundations
	800-820	Tunneling, tunnels
	1001-1280	Transportation engineering (general)
	1501-1820	Applied optics, lasers, incl applied holography, optical data processing
	2001-2030	Plasma engineering, applied plasma dynamics
TC		Hydraulic engineering, including dams
TD	1-158	Environmental technology, sanitary engineering dictionaries, encyclopedias, histories, and general works
	159-167	Municipal engineering
	172-195	Environmental pollution
	201-500	Water supply for domestic & industrial purposes (quality & pollution)

	511-780	Sewage collection and disposal systems
	785-812	Municipal refuse, solid waste
	813-870	Street cleaning, litter and its removal
	877.5-893	Special types of pollution, including soil, air, and noise pollution
	895-899	Industrial sanitation, industrial waste
TE		Highway engineering, roads and pavement
TF		Railroad engineering and operation
TG		Bridge engineering
TH	1-455	Building construction, general works
	845-895	Architectural engineering, structural engineering of buildings
	1000-1725	Systems of building construction, including fireproof, wood, masonry, concrete, and steel construction
	2031-3000	Details, including foundations, walls, chimneys, roofs, and floors
	4021-4970	Buildings (construction with reference to use)
	5011-5701	Construction by phase work (building cracks)
	6014-7975	Environmental engineering, including plumbing, heating, ventilation, and lighting (includes solar houses)
	9025-9745	Protection of buildings

Collection should include all basic manuals and handbooks not only to support three academic majors but also those academy agencies concerned with civil engineering. Major areas of concentration are: human engineering, systems engineering, applied mechanics, materials engineering, structural engineering, applied optics and lasers, environmental technology, and pollution of all kinds. In some cases multiple copies will be collected so all academic departments and staff agencies can have basic references as well as the library. Materials collected should support undergraduate research beyond the introductory level and some faculty research. Materials collected will be primarily in the English language. Materials are selected from reviewing journals and recommendations from academic departments and staff agencies.

Weeding Criteria: Materials may be withdrawn for the collection if they are superseded by newer editions; but in some cases, older editions will be kept for back-up purposes. If materials are in poor condition, they may be withdrawn.

Last updated by Robert Humes, Subject Specialist